

ASC-400 firmware upgrade instruction

Software installation and description for upgrading firmware on the ASC-400 circuit board.

Requirements

- PC running Microsoft OS Windows 7. (32&64bit) with USB port.
- USB communication cable to the ASC.

Software & driver installation

This section explains the installation of the software and drivers required for the firmware update process.

Start installation

Select the "JofraASC-400FirmwareUpdateSetup3.2.13.exe" installation file to begin installation and click the Next button.

ASC-400 Firmware Update _ ×	
ASC-400 Firmware Update	Terms of software license are displayed for
	review and acceptance
You must agree the license terms and conditions before you can install ASC-400 Firmware Update.	
AMETEK, INC. SOFTWARE LICENSE TERMS	
Jofra ASC-400 Firmware Update Application	
These license terms are an agreement between Ametek Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Ametek	
 updates, 	
 supplements, 	
Internet-based services, and	
support services	
I agree to the License terms and conditions.	
C:\Program Files (x86)\Jofra\ASC-400 Firmware Update	
Selected installation directories are valid. Required disk space: 5,43 MB	
Cancel Install	
 Subbit services I agree to the License terms and conditions. 	Agree to license terms to activate Install button.
C:\Program Files (x86)\Jofra\ASC-400 Firmware Update	
Selected installation directories are valid. Required disk space: 5,43 MB	
Cancel Install	

NOTE: Software requires .NET Framework to be installed on the host and installation may prompt for the downloading and installation of this software before proceeding. See section <u>.NET Framework 4.0 FULL</u>.

ASC-400 Firmware Update

Installing...

Please wait while setup installs ASC-400 Firmware Update on your computer. This may take a few minutes.

Overall progress:	
Applying	
Package: ASC-400 Firmware Update	
Writing system registry values	
•	
	Cancel

ASC-400 Firmware Update

ASC-400 Firmware Update	2
Installation complete Thank you for choosing ASC-400 Firmware Update! I Launch ASC-400 Firmware Update	
	Close

Progress of software installation display...

Installation of software should take only a few seconds before the driver installation begins....

Installation complete.

The ASC-400 Firmware Update can be started automatically using the Launch checkbox.

Driver installation

Two drivers are now installed

- ATMEL. Used for initial communication with processor prior to any hosted firmware.
- AMETEK ASC-400. Used for communication with processor hosting ASC-400 firmware.

Select the Install button to continue with driver installation.



Select the "Install this driver software anyway" to continue.



The driver is not digitally signed causing a prompt from the OS requiring confirmation that you wish it installed.

Select "Install" to continue.

Both ATMEL and AMETEK drivers are now installed.

Please note!!

The upgrade executable is found in the following location.

"C:\Programs (x86)\Jofra\ASC-400 Firmware Update\ASC 400 Firmware Update.exe".

For easy access a good practice is to create a shortcut on your computers Desktop.

.NET Framework 4.0 FULL

The upgrade software requires .NET Framework 4.0 installed on the host PC: If not found the user is prompted by the installation

ASC-400 Firmware Update - InstallShield Wizard
ASC-400 Firmware Update requires the following items to be installed on your computer. Click Install to begin installing these requirements.
Status Requirement
Installing Microsoft .NET Framework 4.0 Full
Installing Microsoft .NET Framework 4.0 Full
Estimated time remaining: 0 sec
47 MB of 48 MB downloaded at 2.7 MB/sec
Install

Select the Install button to initiate downloading and installation of .NET Framework 4.0.

NOTE: Access to the internet is required to download the installation files from Microsoft.

PROGRAM INTERFACE DESCRIPTION

Startup

On start-up the Upgrade software scans the PC's USB ports for the presence of any ASC-400.

The start-up interface depends on the presence of and condition of any connected ASC-400.

1. No ASC-400 currently connected.



2. ASC-400 detected with current firmware version displayed.



3. ASC-400 detected without firmware installed.

ASC-	400 Firmware Updater		-	
This program is designed to update the firmware in your ASC-400. Simply connect your calibrator to a USB port on this computer and press the 'Update Firmware' button.				
?	Firmware Version Serial Number	Unknown. Unknown.	2.13 ~	Update Firmware
			Firmwar	re is corrupt.
				Close

4. ASC-400 detected with out of date firmware installed.



If an ASC-400 is connected, the latest available firmware version is displayed in the list box (2.13) and the Update Firmware button is activated ready for download.



If the latest available firmware matches the version on the ASC-400, the above text is shown and no action is necessary.

Upgrade firmware

To begin the upgrade, select the Firmware button

Update

To ensure the firmware is upgraded correctly, the program will request to you to restart the ASC-400.



After a while, the software begins updating the current firmware.

Erasing the firmware....

ASC-400 Firmware Updater	– 🗆 X				
This program is designed to update the firmware in your ASC-400. Simply connect your calibrator to a USB port on this computer and press the 'Update Firmware' button.					
Firmware Version Unknown. Serial Number Unknown.	2.13 VUpdate Firmware				
	Erasing firmware				
	Close				

Updating firmware....

ASC-400 Firm	ware Updater			_		×
This program is designed to update the firmware in your ASC-400. Simply connect your calibrator to a USB port on this computer and press the 'Update Firmware' button.						
Firmw Ser	vare Version rial Number	Unknown. Unknown.		2.13 ~	Upd Firmv	ate vare
				Updat	ing firmw	are
					C	lose



To complete the firmware update, remove AC adaptor and batteries from ASC-400.



Connect AC-adaptor and/or batteries again.



The ASC-400 firmware is now updated and verified.

Trouble shooting upgrade of existing firmware

Occasionally an upgrade of an existing firmware version can freeze after erasing the firmware resulting in the ASC-400 displaying a blank screen after reboot.

Should this occur follow the instructions below.

- 1. Simply shutdown the program and restart it.
- 2. The program will see the ASC-400 as if no firmware was installed.
- 3. Select the Upgrade button and repeat the process.